

Amendments to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in this application.

Listing of Claims:

1. (Currently Amended) A battery for a portable electronic appliance (PEA),
comprising:
 - a) an anode;
 - b) a cathode;
 - c) an electrolyte separator between said anode and said cathode, said electrolyte separator including polyimide and solvent present in a range from about 10% to about 40% by weight of said electrolyte, and further including an alkali metal salt.
2. (Original) A battery as defined in claim 1, wherein the portable electronic appliance is selected in the group consisting of cell phone, PDA, laptop computer, smart card, camcorder and digital camera.
3. (Original) A battery as defined in claim 2, wherein said electrolyte separator includes solvent in the range from about 15% to about 30% by weight of said electrolyte.
4. (Original) A battery as defined in claim 3, wherein said electrolyte separator includes solvent in the range of about 20% to about 25% by weight of said electrolyte.

5. (Original) A battery as defined in claim 2, wherein said battery has a weight less than 500 grams.

6. (Previously Presented) A battery as defined in claim 5, wherein said battery has a weight less than 250 grams.

7. (Original) A battery as defined in claim 2, wherein said anode contains material capable of intercalating lithium ions.

8. (Original) A battery as defined in claim 7, wherein said anode includes a current collector.

9. (Previously Presented) A battery as defined in claim 2, wherein said solvent is selected from the group consisting of N, N-methylpyrrolidinone (NMP), gamma-butyrolactone, sulfamides of formula $R_1R_2N-SO_2-NR_3R_4$, in which R_1 , R_2 , R_3 and R_4 are alkyls having between 1 and 6 carbon atoms and/or oxyalkyls having between 1 and 6 carbon atoms, and combinations thereof.

10. (Original) A battery as defined in claim 2, wherein said cathode includes active material.

11. (Previously Presented) A battery as defined in claim 10, wherein said active material is selected from the group consisting of LiCoO_2 ; LiMnO_2 ; LiNiO_2 ; $\text{Li}_4\text{Ti}_5\text{O}_{12}$; LiV_3O_8 ; V_6O_{13} ; V_2O_5 ; LiMn_2O_4 and combinations thereof.

12. (Original) A battery as defined in claim 10, wherein said cathode includes an electronic conductive filler.

13. (Original) A battery as defined in claim 12, wherein said cathode includes an ionically conductive electrolyte polymer binder.

14. Cancelled.

15. (Currently Amended) A battery as defined in claim ~~14~~ 1, wherein said alkali metal salt is selected from the group consisting of LiPF_6 , LiBF_4 , LiSO_3CF_3 , LiClO_4 , LiSCN and combinations thereof.

16-17. Cancelled.